

FIG. 1

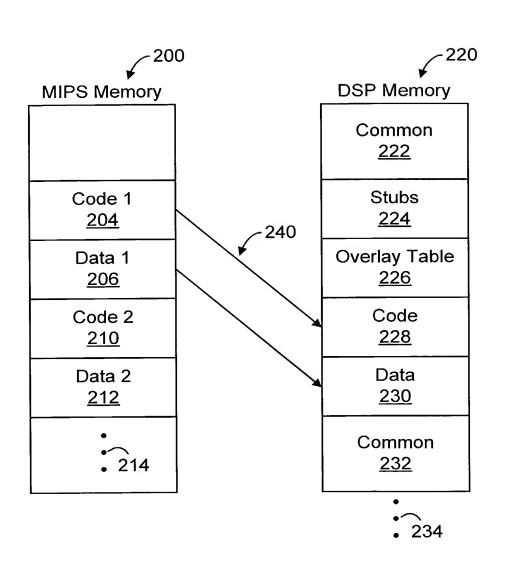


FIG. 2

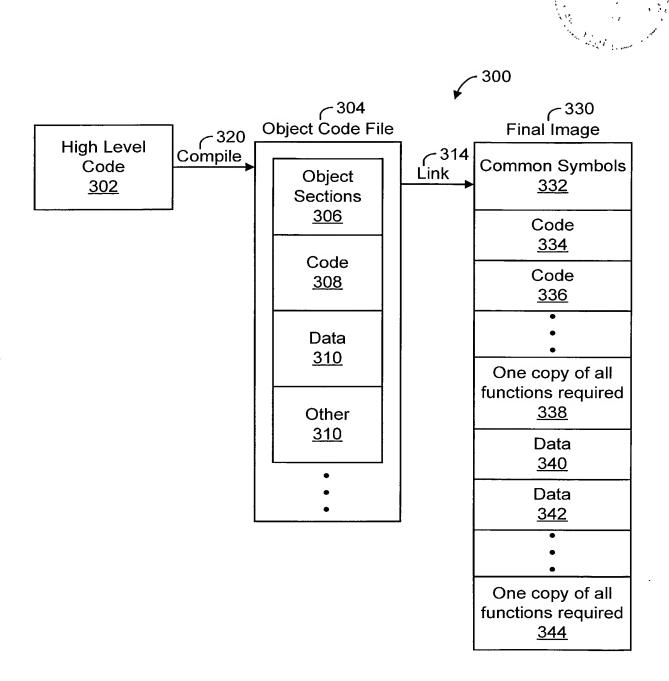


FIG. 3A

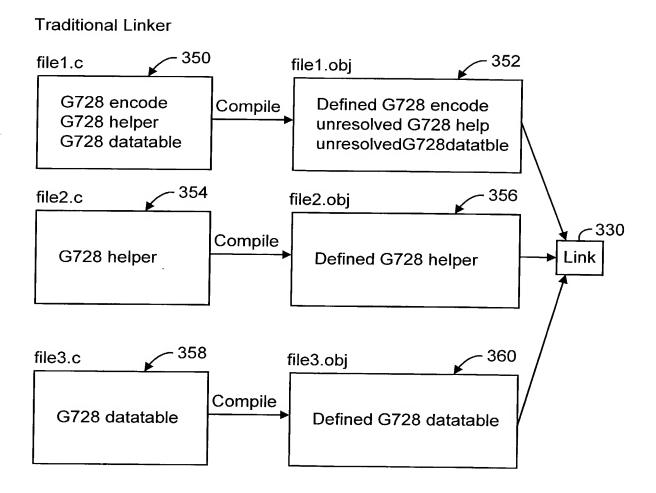


FIG. 3B

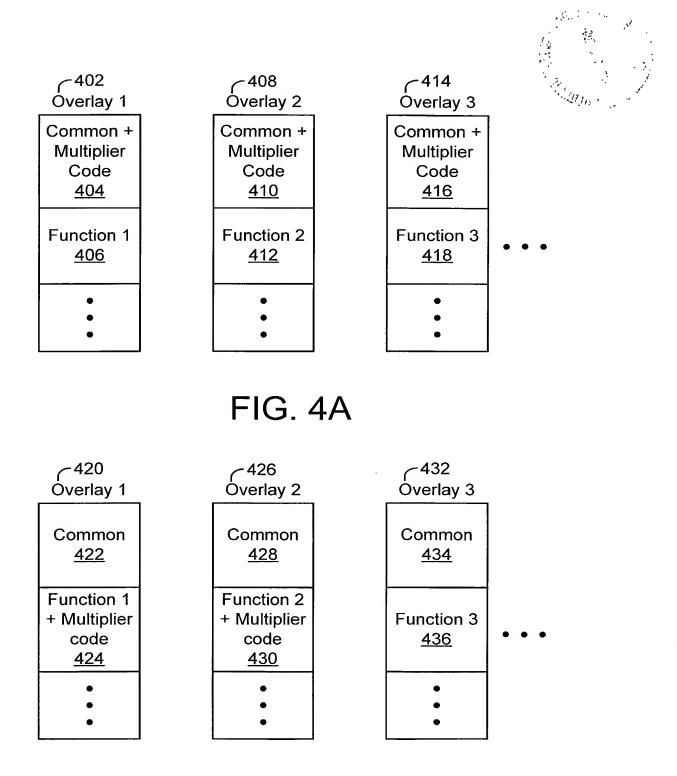
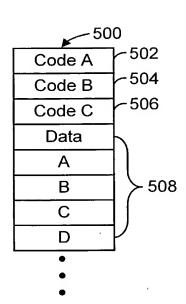


FIG. 4B





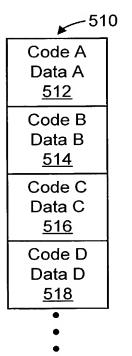


FIG. 5B

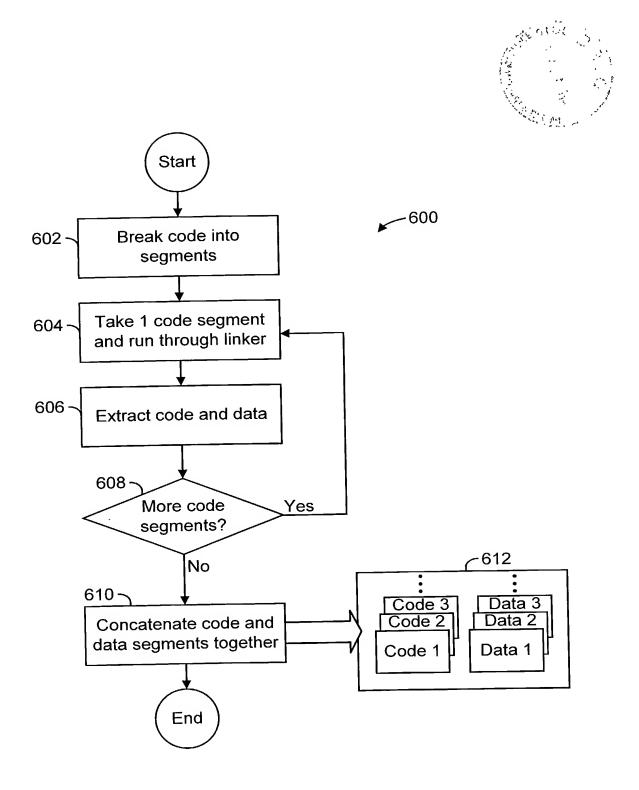


FIG. 6A

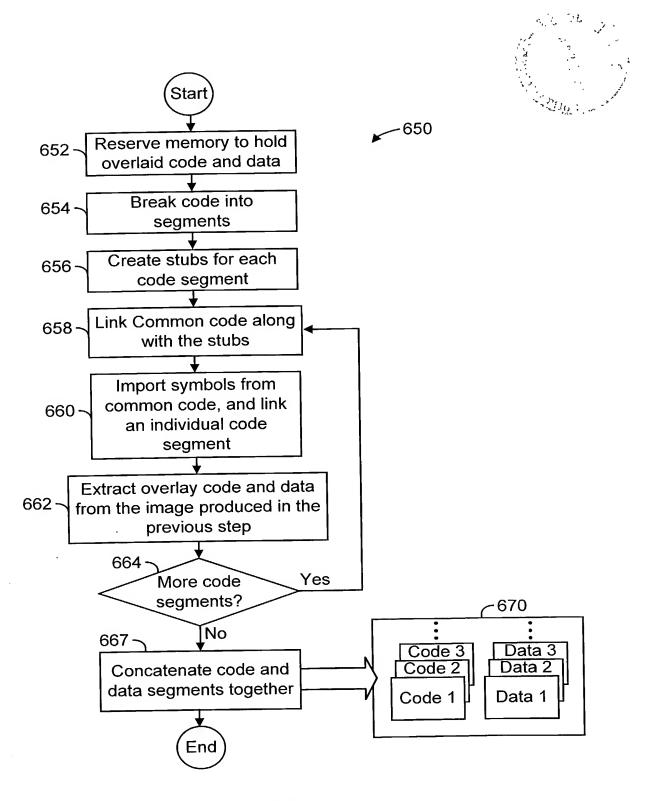


FIG. 6B

Detailed Implementation

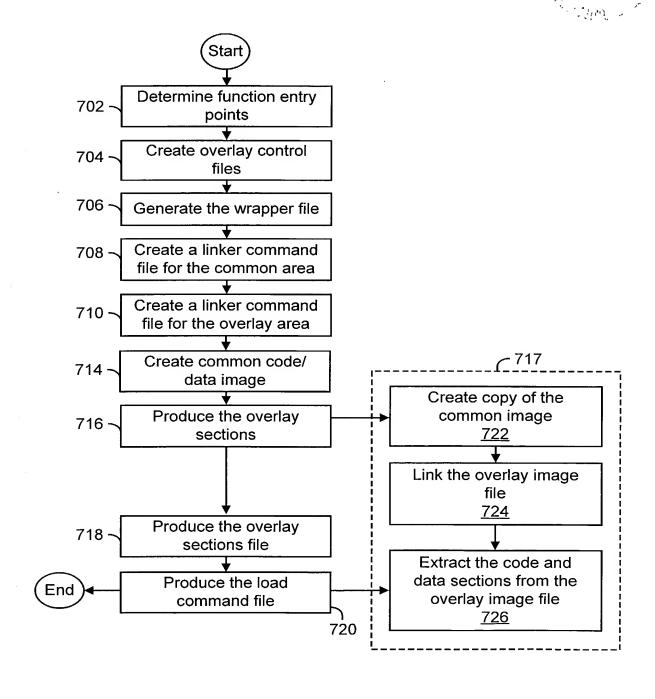


FIG. 7

Linker Command File: Common Area

```
MEMORY
        other memory sections removed .
     PAGEDCODE(\dot{X}): ORIGIN = 0X4200, LENGTH = 0X1800
     PAGEDDATA : ORIGIN = 0X6000, LENGTH = 0X1400
SECTIONS
       .. other sections removed ...
     pagedCodeSection:
       = ALIGN (4):
        _dem_gCodeOverlayAreaStart = ABSOLUTE( . ):
      . # . + 0x1800 :
        _dem_gCodeOverlayAreaEnd = ABSOLUTE( . ) :
    ) > PAGEDCODE
     pagedDataSect:
      . = ALIGN (4) :
        _dem_gDataOverlayAreaStart = ABSOLUTE(.):
      . # . + 0x1400 :
       _dem_gDataOverlayAreaEnd = ABSOLUTE(.):
    ) > PAGEDDATA
     .overlavDescr:
       _dem_gOverlayDescr = ABSOLUTE( . ):
     SHORT (-2)
    ) > INTDATA
 )
                    FIG. 8A
                   Overlay Area
MEMORY
    ... other memory sections removed ...
    PAGEDCODE(X): ORIGIN = 0X4200, LENGTH = 0X1800
     PAGEDDATA
                 : ORIGIN = 0X6000, LENGTH = 0X1400
SECTIONS
     ... other sections removed ...
     .text:
      . = Align(4):
      * ( . text)
     ) > PAGEDCODE
     .dataAlign (4):
 )
     ) > PAGEDDATA
```

FIG. 8B